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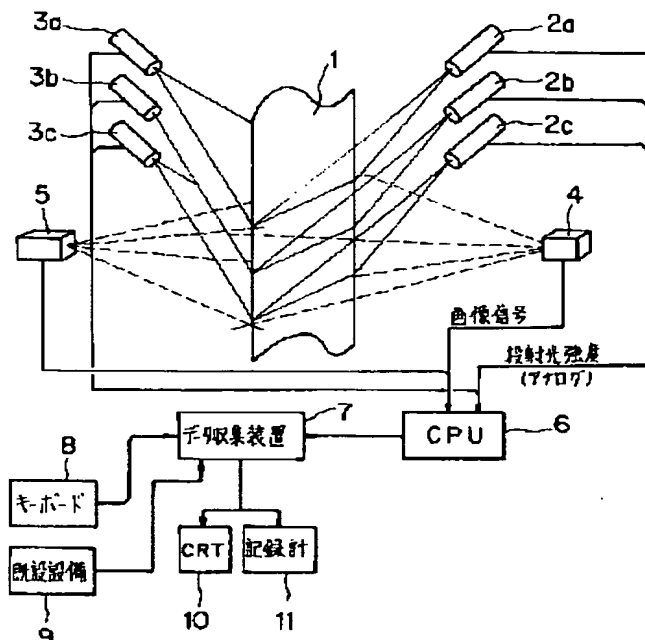
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APPLICANT : KOBE STEEL LTD;

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TITLE : METHOD FOR MEASURING ALLOYING  
DEGREE OF GALVANIZED STEEL  
SHEET



**ABSTRACT :** PURPOSE: To improve the measuring precision by irradiating the whole width of a steel sheet with light in plural places in the longitudinal direction of the steel sheet, imaging reflected light, measuring the distribution of the strength of the reflected light per place and measuring the alloying degree by the ratio of the width of the part with prescribed value or above to the whole width.

**CONSTITUTION:** The whole width of a steel sheet 1 is irradiated with laser light in the state where laser light sources 2a to 2c lie at three places in the longitudinal direction in the one face side of the steel sheet 1. The other face side of the steel sheet 1 is irradiated with laser light from laser light sources 3a to 3c. A solid photoelectric charge element 4 images reflected light by laser light from the laser light sources 2a to 2c. CPU 6 treats information from the solid photoelectric charge element 4, and by relatively comparing the strength value in the direction of the sheet width of the steel sheet 1 in accordance with the distribution of the strength of the reflected light per place; the nonuniformity of alloying is detected. Among the distribution of the strength of the reflected light, in accordance with the ratio of the width with prescribed value or above to the whole width of the steel sheet 1, the alloying degree is judged.

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